1 2 3	CLAIMS
4 5	We claim:
6	1. A combination for amelioration of vascular insufficiency, comprising:
7	In a pharmaceutically acceptable carrier, a therapeutic dose of cystine and EDTA.
8	2. The claim according to claim 1, further comprising:
9	A therapeutic dose of Selenium.
10	3. The claim according to claim 2, further comprising:
11	A therapeutic dose of Vitamin C.
12	4. The claim according to claim 3, further comprising:
13	A therapeutic dose of Vitamin E.
13 14 15 16	5. The claim according to claim 4, further comprising:
15	A therapeutic dose of zinc.
16	6. A method of treatment of vascular insufficiency, comprising:
17 <sub>j</sub>	In a pharmaceutically acceptable carrier, administering cystine and EDTA.
	7. The method according to claim 6, further comprising the following step:
19	Administering a therapeutic dose of Selenium.
18. 19. 20.	8. The method according to claim 7, further comprising the following step:
2Ī	Administering a therapeutic dose of Vitamin C.
22	9. The method according to claim 8, further comprising the following step:
23	Administering a therapeutic dose of Vitamin E.
24	10. The method according to claim 9, further comprising the following step:
25	Administering a therapeutic dose of zinc.
26	11. A method of measurement of efficacy and of treatment of vascular insufficiency, comprising:
27	Measuring glutathione levels in a patient, and upon determination of inadequate glutathione, administration of
28	cystine;
29	Determining propensity to aggregation using the following steps:

Stabilizing a patient blood sample to prevent natural clotting;

1	Centrifuging said blood sample to generate a platelet fraction and extracting said platelet fraction;
2	Testing subparts of said platelet fraction with at least reagents selected from the group of ADP,
3	epinephrine, collagen, and thrombin, and with saline as a control by combining said at least one reagent and
4	said saline with said subpart of said platelet fraction in a cuvette comparable in size to a major artery;
5	Generating output from agitation and testing in a platelet aggregometer into which said at least two cuvettes
6	have been placed;
7	Inspecting said cuvettes after agitation and testing to assure competent test results;
8	Rating each of said cuvettes for propensity to aggregation on a scale from 1 to 5, as set forth in Table I;
9	And upon determination of excess propensity to aggregation, administration of a therapeutic dose of EDTA and
10	cystine, and intermittent continuation of said administration at a set first interval with repetition at a greater interval
11	than said first interval of said determination step, until achievement of normal range of aggregation as set forth in
1 <u>2</u>	Tables VI.
Ē	12. The method according to claim 11, further comprising the following step:
	Monitoring of the achievement of normal range to ultimately restore glutathione levels to normal level, which
15	should be approximately 200-400micromoles/liter for plasma and red blood cells.
	13. The method according to claim 11, further comprising the following step:
17	Administering a therapeutic dose of selenium.
17 18	14. The method according to claim 13, further comprising the following step:
<u> </u>	Administering a therapeutic dose of Vitamin C.
20	15. The method according to claim 14, further comprising the following step:
21	Administering a therapeutic dose of Vitamin E.
22	16. The method according to claim 15, further comprising the following step:
23	Administering a therapeutic dose of zinc.
24	17. The method according to claim 14, further comprising the following step:
25	Monitoring creatinine excretion.
26	18. A method of monitoring the response to administration of EDTA for measurement of efficacy and treatment of
27	vascular insufficiency, comprising:

Centrifuging said blood sample to generate a platelet fraction and extracting said platelet fraction;

1	Testing subparts of said platelet fraction with at least reagents selected from the group of ADP,
2	epinephrine, collagen, and thrombin, and with saline as a control by combining said at least one reagent and
3	said saline with said subpart of said platelet fraction in a cuvette comparable in size to a major artery;
4	Generating output from agitation and testing in a platelet aggregometer into which said at least two cuvettes
5	have been placed;
6	Inspecting said cuvettes after agitation and testing to assure competent test results;
7	Rating each of said cuvettes for propensity to aggregation on a scale from 1 to 5, as set forth in Table I;
8	And upon determination of excess propensity to aggregation, administration of a therapeutic dose of EDTA and
9	cystine, and intermittent continuation of said administration at a set first interval with repetition at a greater interval
0	than said first interval of said determination step, until achievement of normal range of aggregation as set forth in
1	Tables VI.
2	19. The method according to claim 18, further comprising the following step:
3	Measuring glutathione levels in a patient, and upon determination of inadequate glutathione, administration of
<b>4</b>	cystine.
<b>IS</b>	20. The method according to claim 19, further comprising the following step:
Ļ6	Monitoring of the achievement of normal range to ultimately restore glutathione levels to normal level, which
<u> </u>	should be approximately 200-400micromoles/liter for plasma and red blood cells.
	21. The method according to claim 18, further comprising the following step:
19	Administering a therapeutic dose of selenium.
20	22. The method according to claim 21, further comprising the following step:
21	Administering a therapeutic dose of Vitamin C.
22	23. The method according to claim 22, further comprising the following step:
23	Administering a therapeutic dose of Vitamin E.
24	24. The method according to claim 23, further comprising the following step:
25	Administering a therapeutic dose of zinc.
26	25. The method according to claim 24, further comprising the following step:

26. A method of measurement of efficacy and of treatment of vascular insufficiency, comprising:

Monitoring creatinine excretion.

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- Measuring glutathione levels in a patient, and upon determination of inadequate glutathione, administration of cystine;

  Monitoring of the achievement of normal range to ultimately restore glutathione levels to normal level, which
- Monitoring of the achievement of normal range to ultimately restore glutathione levels to normal level, which should be approximately 200-400micromoles/liter for plasma and red blood cells;
- 5 Determining propensity to aggregation using the following steps:
- 6 Stabilizing a patient blood sample to prevent natural clotting;
- 7 Centrifuging said blood sample to generate a platelet fraction and extracting said platelet fraction;
- Testing subparts of said platelet fraction with at least reagents selected from the group of ADP,

  epinephrine, collagen, and thrombin, and with saline as a control by combining said at least one reagent and

  said saline with said subpart of said platelet fraction in a cuvette comparable in size to a major artery;
  - Generating output from agitation and testing in a platelet aggregometer into which said at least two cuvettes have been placed;

Inspecting said cuvettes after agitation and testing to assure competent test results:

Rating each of said cuvettes for propensity to aggregation on a scale from 1 to 5, as set forth in Table I;

And upon determination of excess propensity to aggregation, administration of a therapeutic dose of EDTA and cystine, and intermittent continuation of said administration at a set first interval with repetition at a greater interval than said first interval of said determination step, until achievement of normal range of aggregation as set forth in Tables VI;

Measuring total serum calcium, ionized calcium, total magnesium, and ionized magnesium; and Monitoring creatinine excretion.

- 21 27. The method according to claim 26, further comprising the following step:
- 22 Administering a therapeutic dose of selenium.
- 28. The method according to claim 27, further comprising the following step:
- Administering a therapeutic dose of Vitamin C.
- 25 29. The method according to claim 28, further comprising the following step:
- Administering a therapeutic dose of Vitamin E.
- 27 30. The method according to claim 29, further comprising the following step:
- 28 Administering a therapeutic dose of zinc.